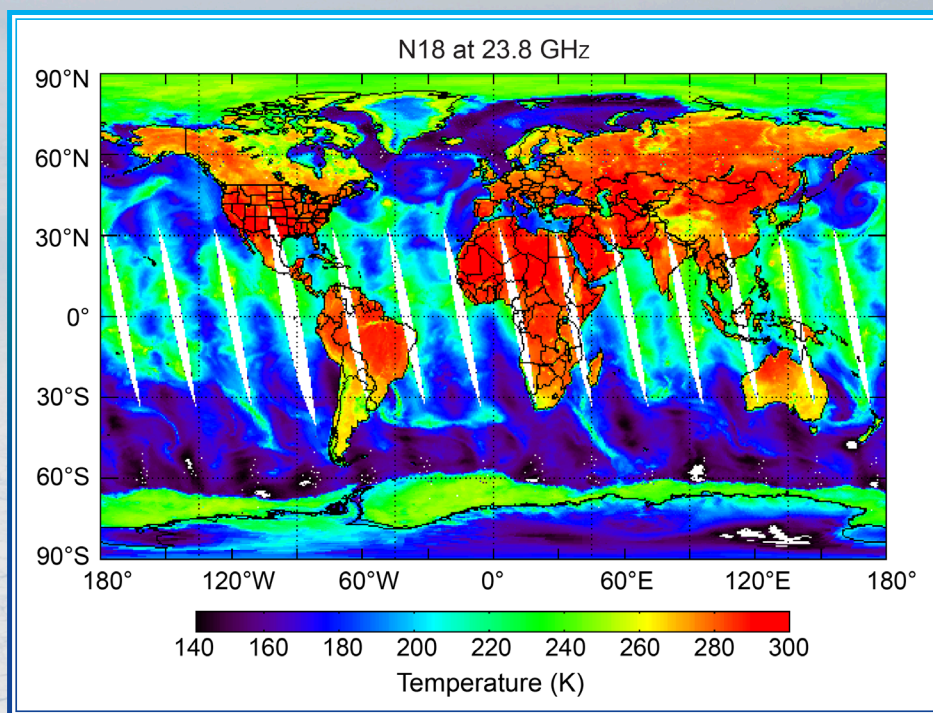


AMSU-A

BRIGHTNESS TEMPERATURE



CLIMATE DATA RECORD SPECIFICATIONS

- Global Coverage
- 48 km nadir resolution for each channel
- 102 Minutes per Orbit
- 2000–Present
- Updated Monthly

VARIABLES TO THIS CLIMATE

DATA RECORD

- NOAA Advanced Microwave Sounding Unit-A (AMSU-A) level 1b radiances from channels 1, 2, 3 and 15 (23.8, 31.4, 50.3 and 89.0 GHz).

SOME USES OF THIS CLIMATE

DATA RECORD

- Input into Hydrological Products to derive global precipitation, water vapor, cloud water, sea-ice concentration
- Input into land surface products to derive temperature and emissivity
- Long-term Global Climate Applications

AMSU-A BRIGHTNESS TEMPERATURE:

<https://www.ncdc.noaa.gov/cdr/fundamental/amsu-a-brightness-temperature>

CLIMATE DATA RECORD INFORMATION:

<http://www.ncdc.noaa.gov/cdr>

NOAA's Climate Data Record (CDR)



www.climate.gov
www.ncei.noaa.gov

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